

1. THIS ORDINANCE APPLIES TO ALL DWELLING UNITS (SITE BUILT HOMES) PERMITTED FOR CONSTRUCTION IN THE CITY OF TUCSON.
2. PROVIDE AT LEAST ONE EXTERIOR ACCESSIBLE ROUTE AND ENTRANCE. THE ROUTE MAY ORIGINATE FROM THE CARPORT, DRIVEWAY, PUBLIC STREET OR SIDEWALK. THE SLOPE OF THIS ROUTE SHALL NOT EXCEED ONE-FOOT VERTICAL RISE PER TWENTY FEET HORIZONTAL DISTANCE (1:20), UNLESS A RAMP PER 2018 IRC IS CONSTRUCTED. (NOTE: INDICATE THE EXTERIOR ACCESSIBLE ROUTE AND ACCESSIBLE ENTRANCE ON SINGLE FAMILY RESIDENCE SITE PLAN.
3. ACCESSIBLE ENTRANCE: PROVIDE MINIMUM ONE NO-STEP LEVEL ENTRANCE THAT IS A MINIMUM 32" WIDE AND MEETS THE DOOR HARDWARE REQUIREMENTS PER THIS ORDINANCE. (NOTE: EXIT DOORS ARE REQUIRED TO BE 36" MINIMUM AND THE GARAGE SHALL NOT BE USED AS AN EXIT). THE ACCESS FLOOR SHALL HAVE A MINIMUM 36" WIDE HALLWAY AND ACCESSIBLE DOORS TO ALL SPACES AND ELEMENTS TO BE MINIMUM 2'6" DOOR.
4. CHANGE IN FLOOR LEVELS AND THRESHOLD HOLDS, AT THE ACCESSIBLE ENTRANCE AND ALONG ACCESSIBLE ROUTES MAY BE 1/2" HIGH MAXIMUM. THIS MUST BE BEVELED FROM 1/4" TO 1/52" MAXIMUM WITH A SLOPE NOT STEEPER THAN 1" RISE IN 2' RUN (1:2).

ELECTRICAL:

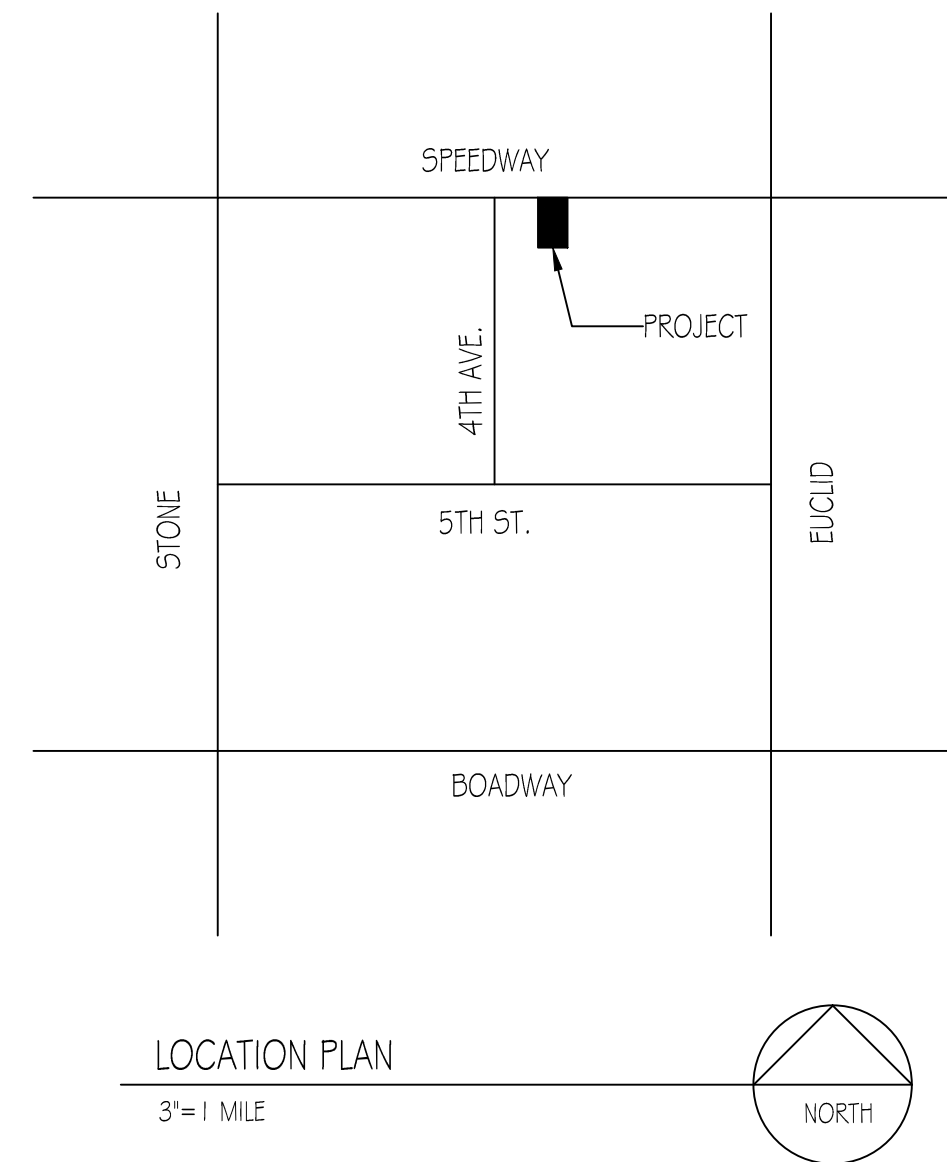
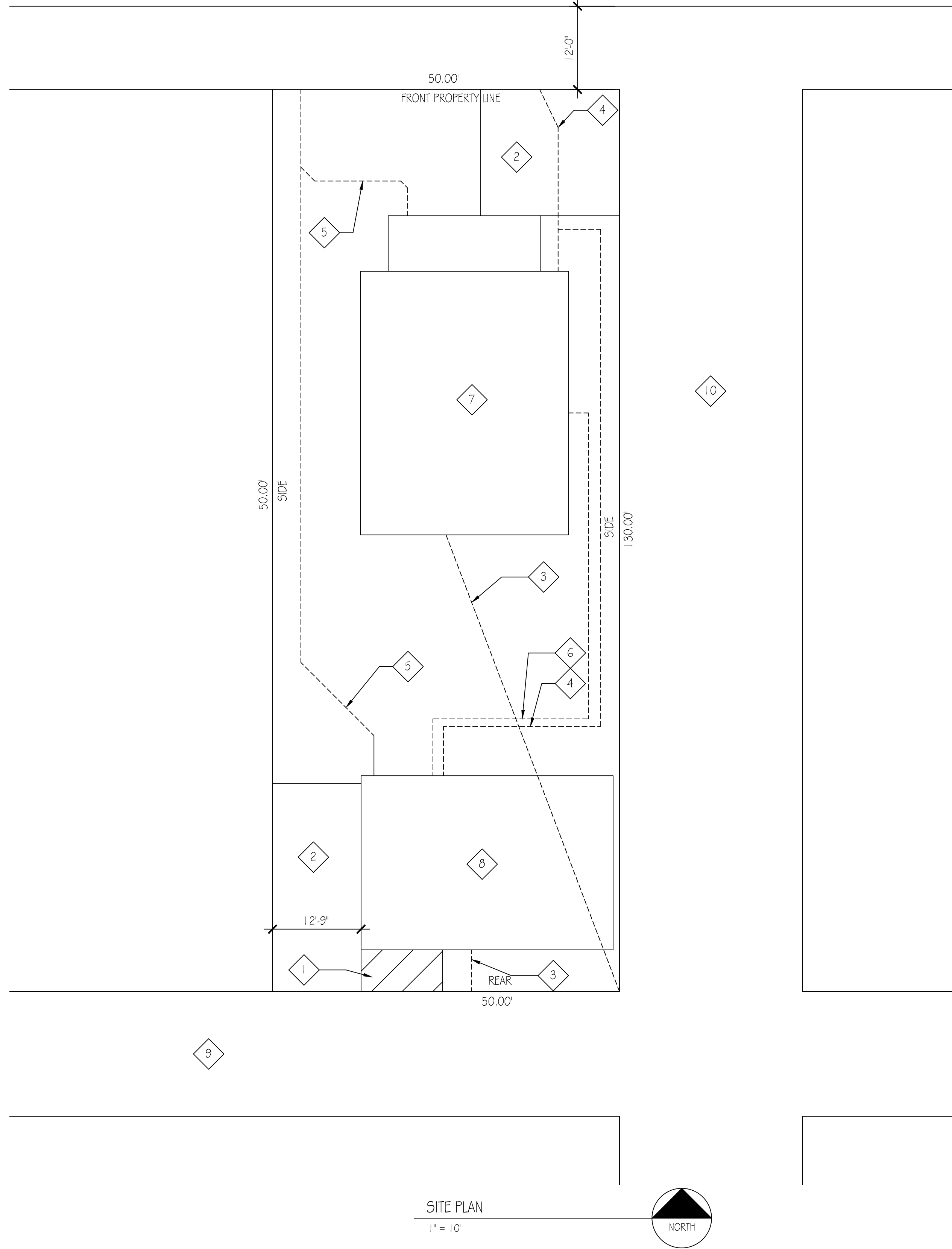
a) ALL LIGHT CONTROLS SHALL BE PLACED NO HIGHER THAN 48", ON CENTER, ABOVE THE FLOOR.

b) WHERE PRACTICAL, ALL ELECTRICAL RECEPTACLES SHALL BE PLACED NO LOWER THAN 15", ON CENTER; ABOVE THE FLOOR.

c) ALL THERMOSTATS SHALL BE PLACED NO HIGHER THAN 48", ON CENTER, ABOVE THE FLOOR.

EXCEPTIONS TO THESE PROVISIONS ARE AS FOLLOWS:

1. ELECTRICAL RECEPTACLES SERVING A DEDICATED USE.
2. AFFLUENCE MOUNTED CONTROLS OR SWITCHES.
3. A SINGLE OUTLET WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - a) THE OUTLET IS ABOVE A LENGTH OF COUNTERTOP THAT IS UNINTERRUPTED BY A SINK, OR AFFLUENCE.
 - b) AT LEAST ONE RECEPTACLE IS PROVIDED FOR THAT LENGTH OF COUNTERTOP; AND
 - c) ALL OTHER RECEPTACLES PROVIDED FOR THAT LENGTH OF COUNTERTOP SET NO HIGHER THAN 48".
4. FLOOR ELECTRICAL RECEPTACLES
5. PLUMBING FIXTURE CONTROLS.
6. HVAC DIFFUSERS.
7. CEILING FAN MOUNTED CONTROLS.



GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC).
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND REPORT ANY DISCREPANCIES TO THE OWNER, IN WRITING, BEFORE PROCEEDING WITH THE WORK.
3. OMISSIONS AND CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
4. DO NOT USE SCALED DIMENSIONS. WHERE NO DIMENSION IS GIVEN CONSULT THE OWNER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
5. DETAILS SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.
6. GENERAL CONTRACTOR (GC) SHALL COORDINATE ALL DRAWINGS, REPORT ANY DISCREPANCIES TO THE OWNER, AND SECURE THE OWNER'S GUIDANCE BEFORE PROCEEDING WITH THE WORK.

SITE NOTES

1. THE GENERAL CONTRACTOR (GC) SHALL STAKE ALL SITE DEVELOPMENT AND SECURE THE OWNER'S APPROVAL BEFORE REMOVING ANY VEGETATION OR NATURAL FEATURES.
2. THE GC IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD.

DRAWING INDEX:	
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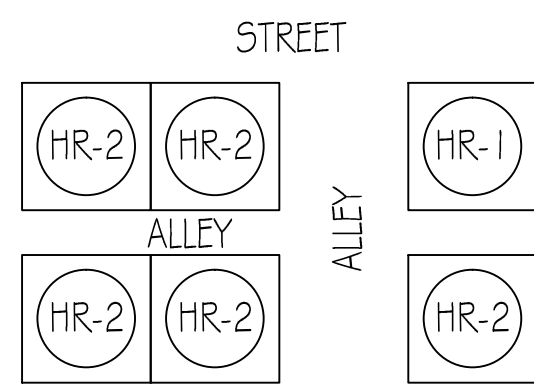
AREA CALCS:

ZONING - HR-2

SQUARE FOOTAGE OF LOT	=	6,845 S.F.
SQUARE FOOTAGE OF EXISTING DWELLINGS	=	2,227 S.F.
SQUARE FOOTAGE OF PROPOSED ADDITION	=	71 S.F.
SQUARE FOOTAGE OF VEHICULAR USE AREA	=	747 S.F.
TOTAL LOT COVERAGE	=	3,045 S.F.
PERCENT OF LOT COVERAGE	=	44%
MAXIMUM HEIGHT OF NEW STRUCTURE	=	14'-6"

LEGAL DESCRIPTION
TUCSON E50' LOT 4 BLK 3

PARCEL
117-02-0530



ZONING

SITE PLAN KEY NOTES

1	PROPOSED ADDITION
2	DRIVEWAY
3	EXISTING ELECTRIC SERVICE ENTRANCE, METER & BREAKER PANEL, U.G.
4	EXISTING MAIN WATER LINE
5	EXISTING SEWER
6	GAS METER
7	EXISTING DWELLING
8	EXISTING DWELLING
9	18' ALLEY
10	26.4' ALLEY
11	

DATE _____

DECEMBER 2020

DESERT WOLF DRAFTING
DRAFTOTERO2@GMAIL.COM

SITE PLAN

ORCUTT FAMILY TRUST
420 E. SPEEDWAY
TUCSON AZ 85705

SCALE:

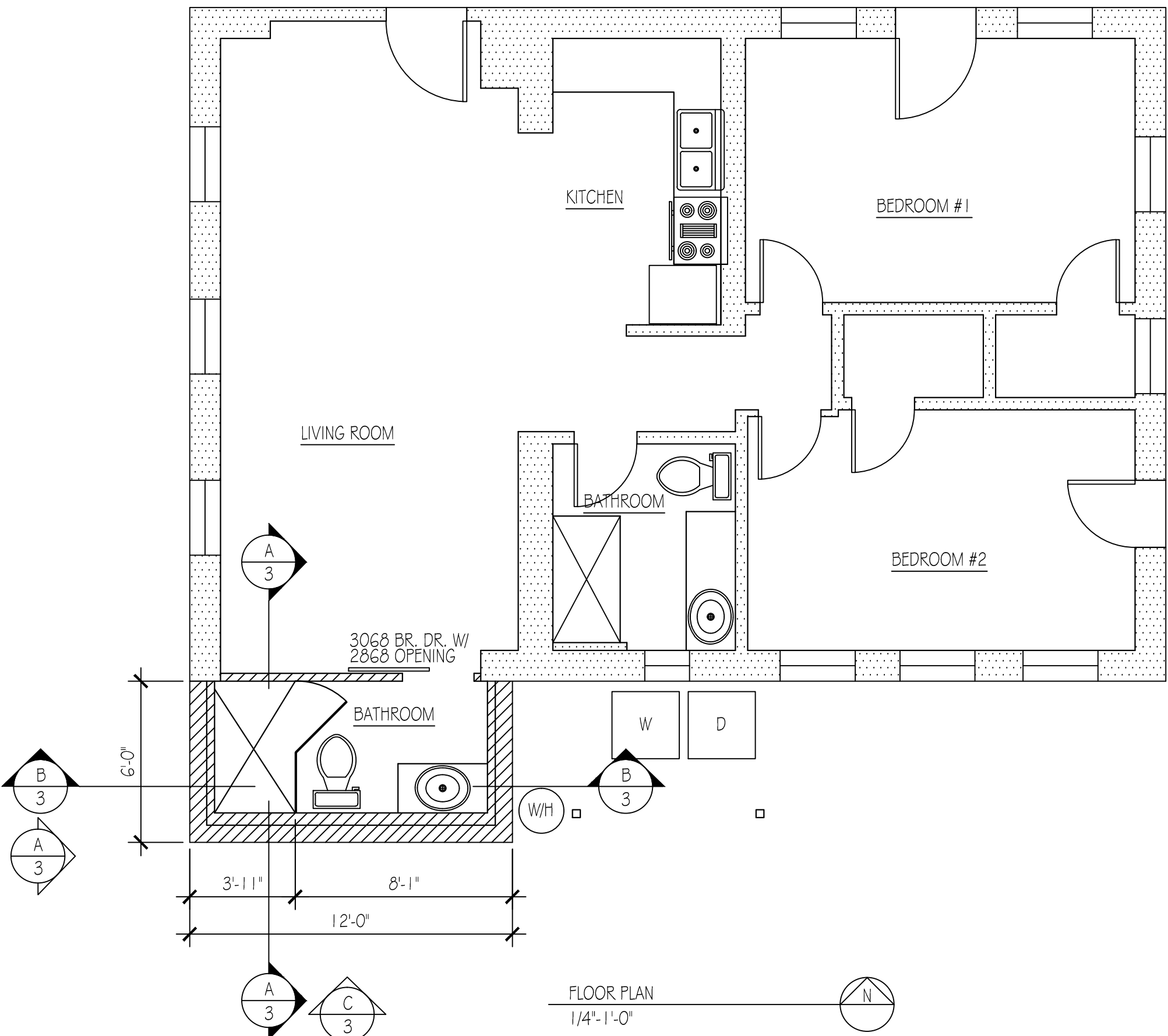
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FLOOR PLAN NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD, UNO.
2. PROVIDE SAFETY GLAZING PER IRC 2018 SEC.R308.4
3. BATHTUB & SHOWER W/ CERAMIC TILE, TO A HEIGHT OF 72" ABOVE THE DRAIN PER R307.2
4. SHOWER SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1,024 SQUARE INCHES AND SHALL BE CAPABLE OF ENCOMPASSING A MINIMUM 30" CIRCLE PER IRC 2018.
5. ALL WINDOWS SHALL COMPLY WITH IRC 2018 SEC.R310 .
6. SILL HEIGHTS IN BEDROOMS SHALL NOT BE GREATER THAN 44" ABOVE THE FLOOR AND SHALL HAVE A MINIMUM OPENING OF 5.7 SQ. FT., PER IRC 2018
7. ALL CLOSETS WITHOUT SWINGING DOORS SHALL HAVE GWB WRAP.
8. PROVIDE BACKING BEHIND ALL WALL MOUNTED ACCESSORY LOCATIONS, AT ALL WINDOWS LOCATIONS (EXTENDING AT LEAST ONE STUD SPACE ON EITHER SIDE OF THE OPENING) AND AT ALL DOOR KNOB TO WALL INTERSECTIONS.
9. ALL INTERIOR WALLS SHALL RECEIVE A MINIMUM OF TWO COATS OF INTERIOR LATEX, EXCEPT KITCHEN, BATHS AND LAUNDRY AREA, WHICH SHALL RECEIVE A MINIMUM TWO COATS OF INTERIOR ENAMEL. PAINT SHALL BE DUNN EDWARDS OR EQUAL
10. ALL COLORS, TEXTURES, FINISHES, AND PATTERNS NOT SPECIFICALLY CALLED OUT SHALL BE AS SELECTED BY OWNER.
11. MAXIMUM "U" VALUE FOR GLAZING IS .75 AS PER IRC 2018 SEC. N1102.1.
12. EVERY SLEEPING ROOM AND BASEMENT WITH HABITABLE SPACE SHALL HAVE AT LEAST ONE WINDOW WITH A MINIMUM NET CLEAR OPENABLE AREA OF 5.7 SQUARE FEET, (MIN. 5 SQ. FT. NET CLEAR OPENING AT GRADE FLOOR), MINIMUM OPENING WIDTH OF 20", MINIMUM OPENING HEIGHT OF 24" AND THE FINISHED SILL HEIGHT SHALL NOT BE MORE THAN 44" ABOVE THE FLOOR, OR PROVIDE EXTERIOR DOOR FOR EMERGENCY EGRESS, PER IRC SECTION R310.1
13. FIBER-CEMENT BOARD OR GLASS MAT GYPSUM BACKERS FOR TILED WALLS IN TUB AND SHOWER AREAS PER IRC 2018 R702.4.2.

FLOORPLAN NOTES

- 1
- TUBULAR SKTLIGHT AS PER PLAN
- 2
- SHELVING PER OWNERS DESIGN
- 3
- EXISTING WALL
- NEW WALL
- EDGE NAILING 8D @ 6" O.C.
- FIELD NAILING 8D @ 12" O.C.
- ENERGY CONSERVATION PER IRC 2018 CHAPTER 11
- TUCSON IS A CLIMATE ZONE 2B
- ROOF: R-38 INSULATION
- WALLS: R-13 INSULATION.
- SOLID DOORS: U = 0.45
- GLAZING: U = 0.40
- (DOUBLE PANE W/LOW-E AND SHGC = 0.25)
- Mass wall requirement is R=4 when 50% of insulation is extenor and R=6 when applied interior.
- SQUARE FOOTAGE
- ADDITION
- 72 SQ. FT.



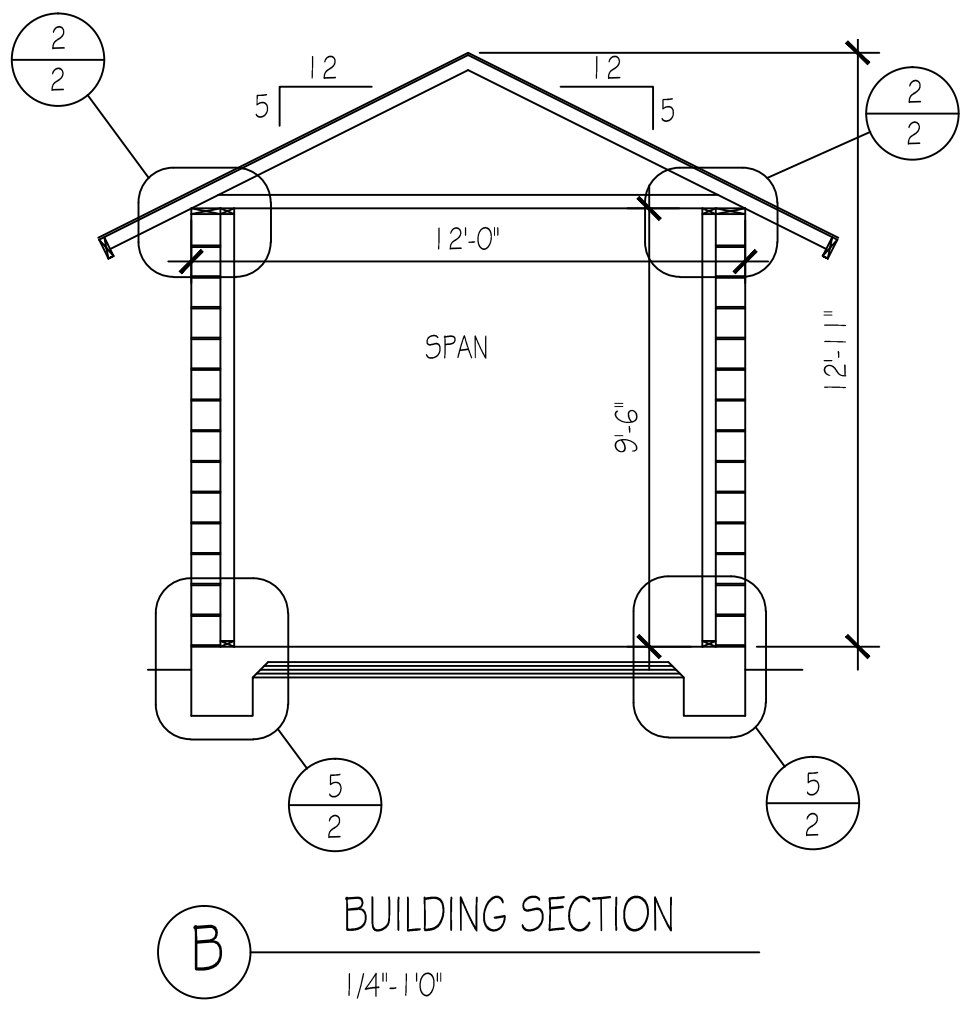
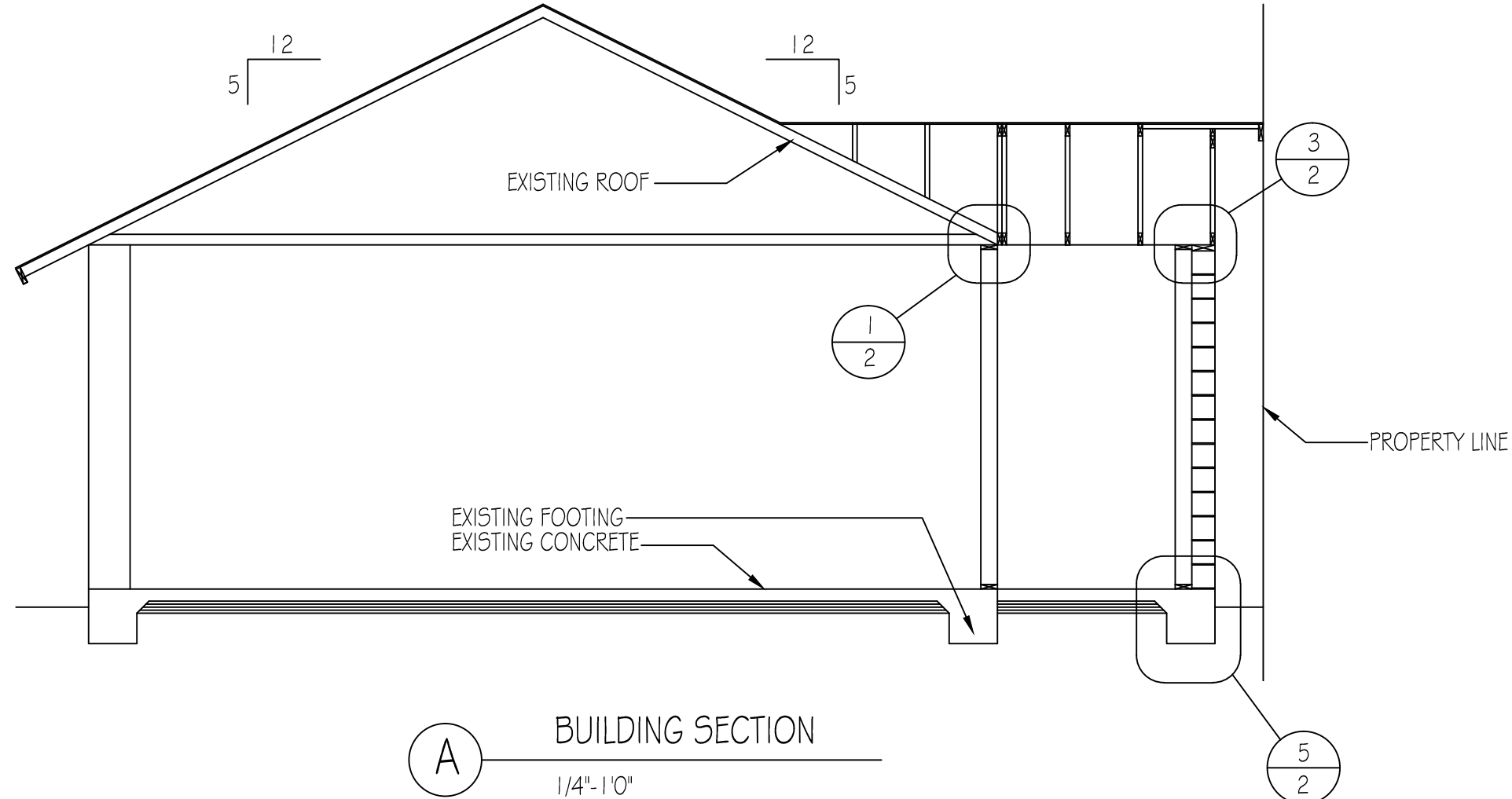
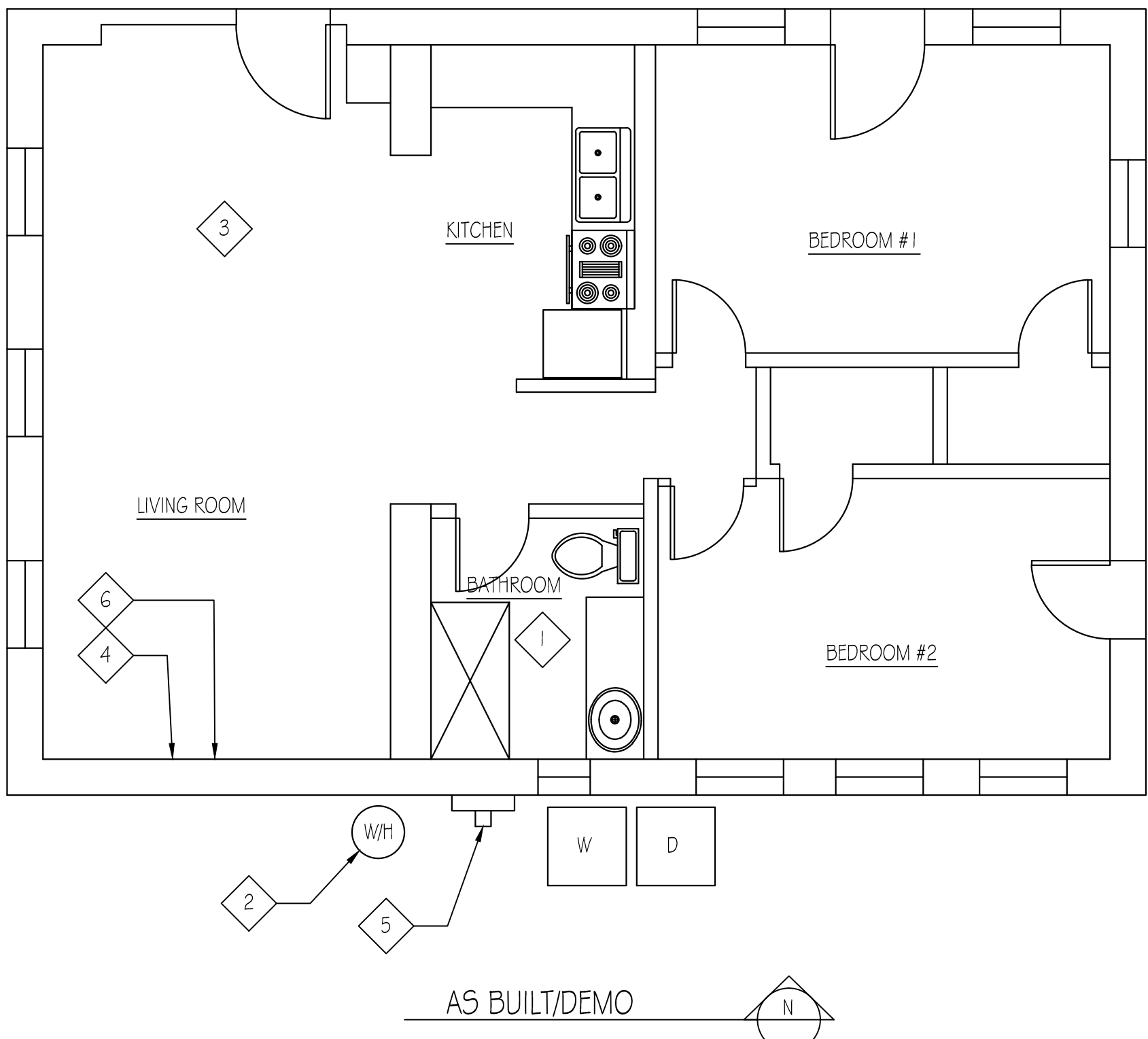
DEMO NOTES

- 1
- DEMO SHOWER, TOILET AND LAVATORY AS PER PLAN
- 2
- RELOCATE WATER CLOSET AS PER PLAN
- 3
- SAW CUT CONCRETE TO LOCATE EXISTING PLUMBING
- 4
- DEMO WALL REPLACE BEAM AS PER PLAN
- 5
- MAIN ELECTRICAL PANEL
- 6
- SAW CUT EXISTING CONCRETE FOR NEW FOOTING AS PER PLAN
- 7
-
- 8
-
- 9
-
- 10
-

SQUARE FOOTAGE

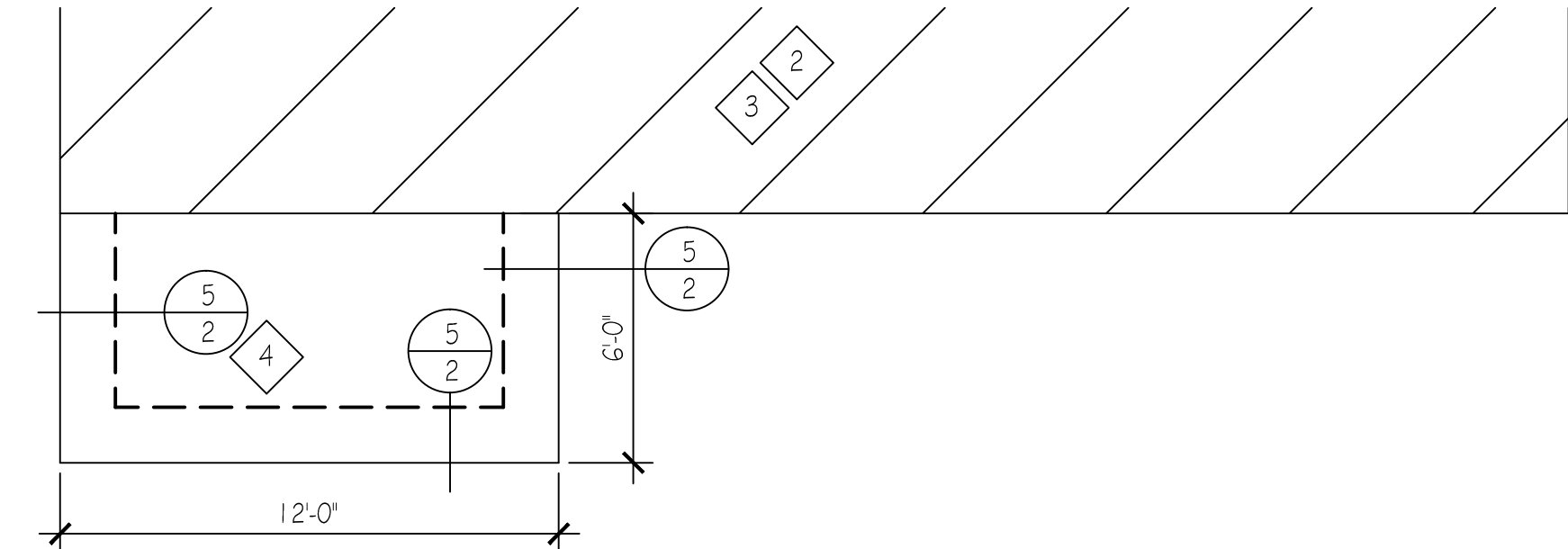
EXISTING DWELLING

5Q FT 911



FOUNDATION PLAN NOTES

1. SOIL BEARING CAPACITY SHALL BE 1500 PSI IN LIEU OF A SOILS ENGINEERING REPORT @ 18" MIN. DEPTH.
2. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL; NO FOOTINGS ARE TO BE SUPPORTED ON FILL.
3. ALL FOOTINGS SHALL EXTEND A MINIMUM 12" INTO NATIVE SOIL PER IRC
4. ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL, INTERMEDIATE GRADE DEFORMED BARS, MINIMUM 24" LAP.
5. ALL REINFORCING SHALL BE ACCURATELY AND SECURELY PLACED PRIOR TO PLACEMENT OF CONCRETE.
6. PROVIDE A FIVE YEAR GUARANTEED TERMITE PRE-TREATMENT THROUGHOUT, WITH WRITTEN WARRANTY.
7. ALL SLABS SHALL REST ON A MINIMUM 4" CLEAN ABC FILL, COMPACTED TO 95%, PER IRC 2018.
8. CROSS-REFERENCE FOUNDATION PLAN WITH FRAMING PLAN FOR BEARING REQUIREMENTS.
9. USE 2500 PSI CONCRETE AT FOOTINGS, 2500 PSI ELSEWHERE (28 DAY MINIMUM VALUES). ALL CONCRETE SHALL CONFORM TO LATEST ACI SPECIFICATIONS.
10. LIMIT POURS TO 400 SF, PROVIDE CONTROL JOINTS AT EDGES.
11. ALL INTERIOR CONCRETE SLABS SHALL HAVE A SMOOTH STEEL TROWEL FINISH. ALL EXTERIOR SLABS AND WALKS SHALL HAVE A BROOM FINISH, UNLESS NOTED OTHERWISE.
12. EXIT LANDINGS AT DOORS SHALL HAVE A FLOOR OR LANDING ON EACH SIDE OF EACH EXTERIOR DOOR. THE FLOOR OR LANDING AT THE EXTERIOR DOOR SHALL NOT BE MORE THAN 1.5 INCHES (38 MM) LOWER THAN THE TOP OF THE THRESHOLD. THE LANDING SHALL BE PERMITTED TO HAVE A SLOPE, SLOPING AWAY FROM THE BUILDING NOT TO EXCEED 0.25 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT THE WIDTH OF EACH LANDING SHALL NOT BE LESS THAN THE DOOR) SERVED. EVERY LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES (914 MM) MEASURED IN THE DIRECTION OF TRAVELER PER IRC SEC. 311.3
13. CROSS-REFERENCE FOUNDATION PLAN WITH PLUMBING PLANS AS REQUIRED.
14. PLUMBING CONTRACTOR SHALL VERIFY CENTERLINE LOCATION OF ALL PLUMBING FIXTURES PRIOR TO ROUGH PLUMBING.
15. CONTRACTOR TO PROVIDE TERMITE TREATMENT AS PER IRC 2018 R318

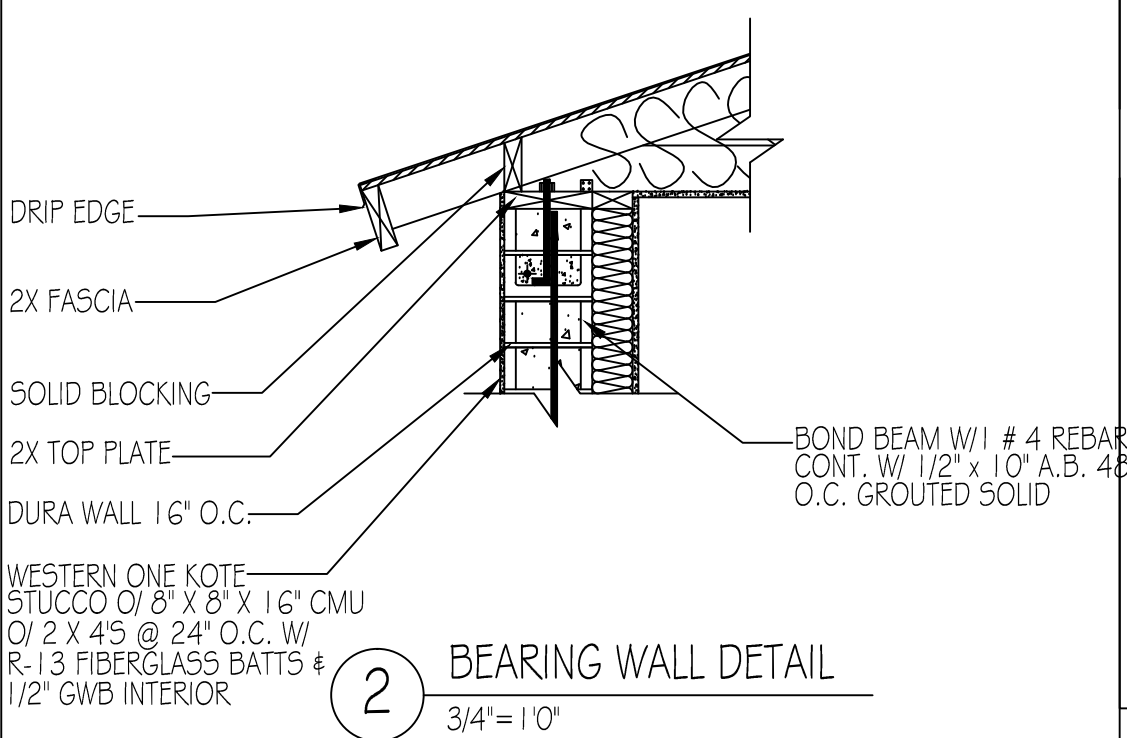
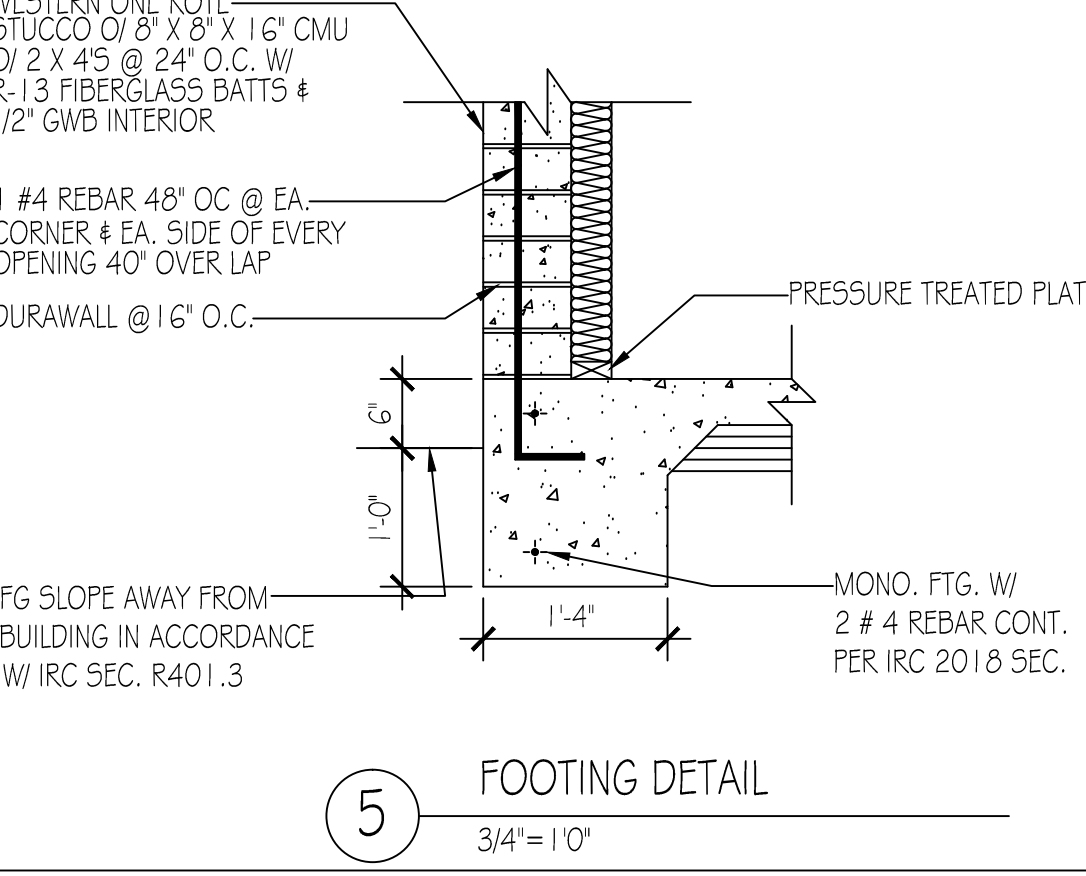
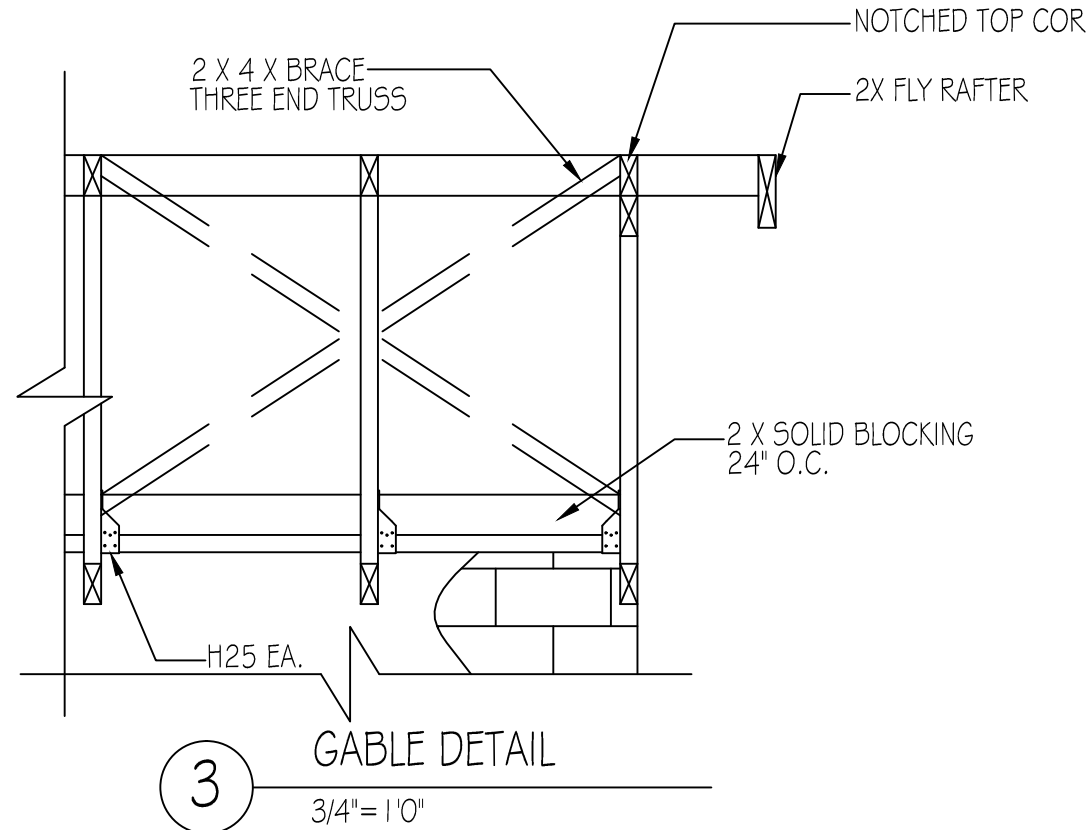
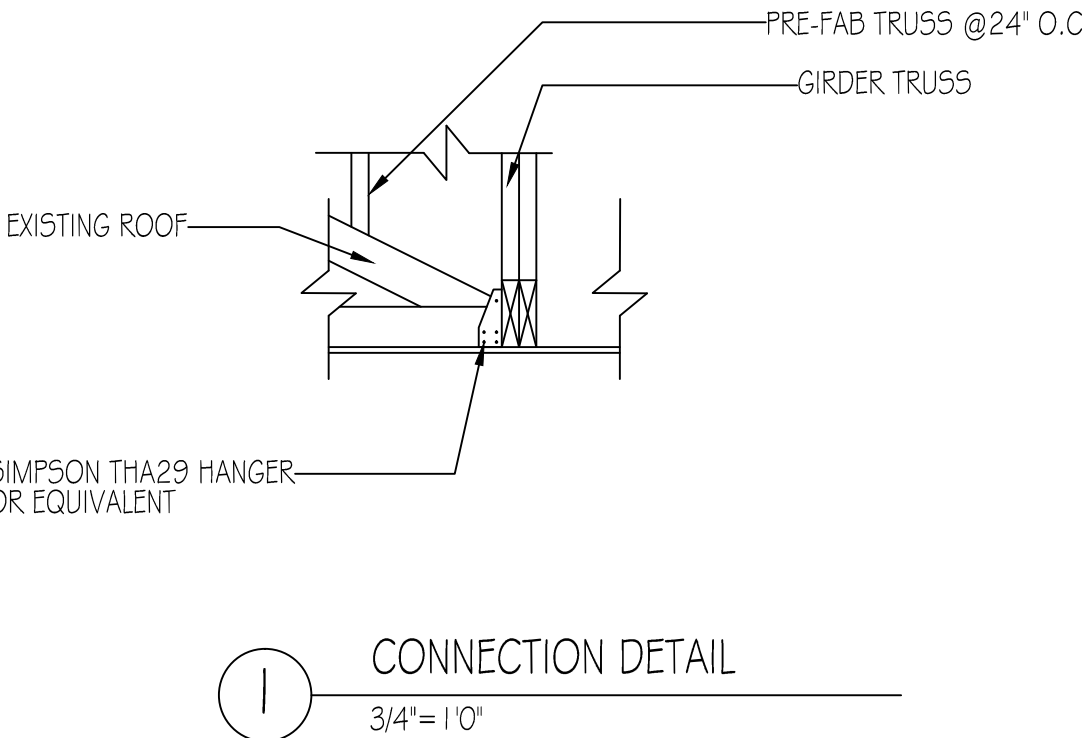


FOUNDATION KEY NOTES

- 1
- FFE
- 99'-8"
- 2
- EXISTING DWELLING
- 3
- FFE
- 100'-0"
- 4
- 4" CONCRETE SLAB ON 4" OF ABC
- 5
- LANDING PER IRC 2018 SECTION R 311.4.3
- 1-1/2" MAX @ ENTRY DOOR

FOUNDATION PLAN

1/4"-1'-0"



DATE
DECEMBER 2020

DESERT WOLF DRAFTING
DRAFTOTERO2@GMAIL.COM

FLR PLN. / FOUN.
SECTION /
DETAILS

ORCUTT FAMILY TRUST
420 E. SPEEDWAY
TUCSON AZ 85705

SCALE: 1/4"= 1'

ELEVATION PLAN NOTES

1. PROVIDE ROOF/ATTIC VENTILATION (1:150) PER IRC 2018. LOCATE AS SHOWN.

ELEVATION KEY NOTE

- 1

PER MANUFACTURE SPECS
WESTERN ONE KOTE STUCCO
ICBO # ER-3899
- 2

FINAL GRADE
- 3

2X FASCIA
- 4

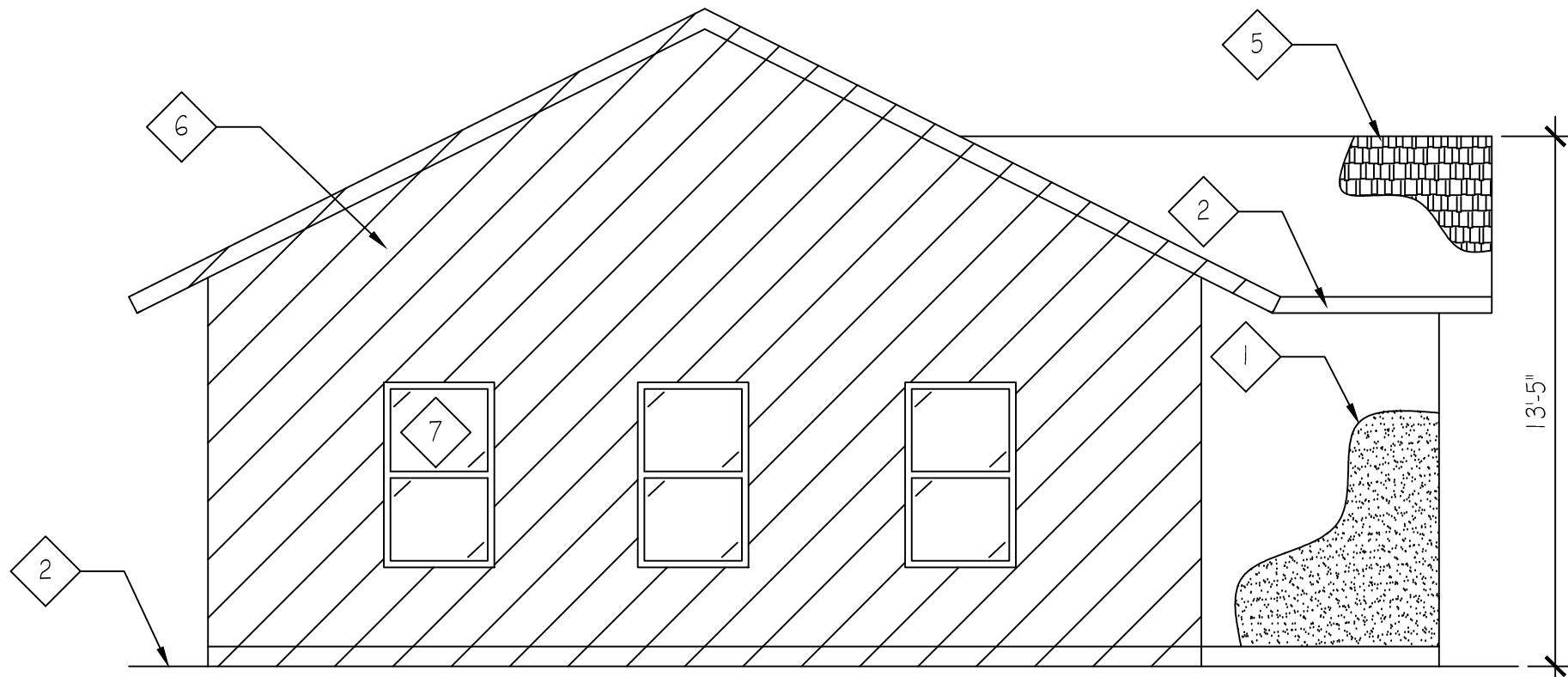
2X FLY RAFTER
- 5

ROOFING (MATCH EXISTING SHINGLES)
- 6

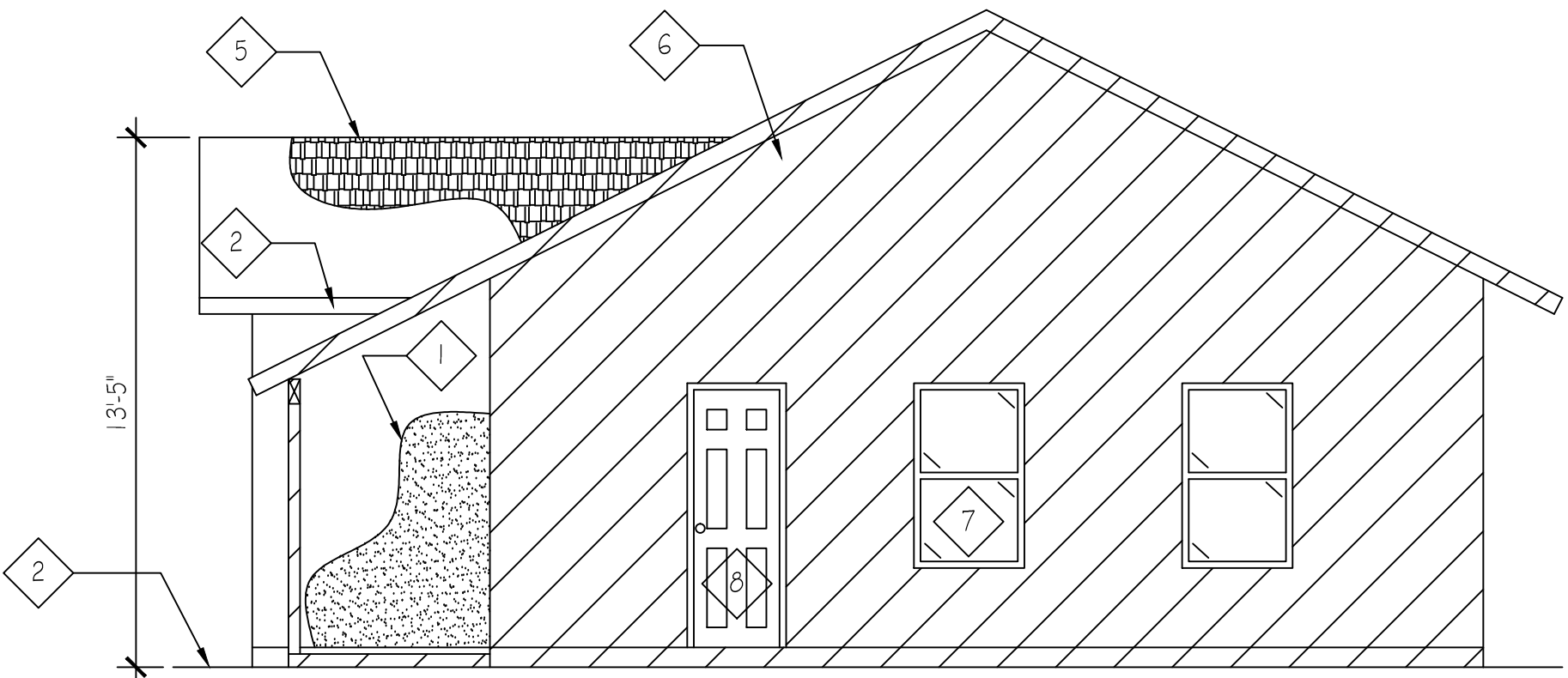
EXISTING STRUCTURE (SHOWN IN HATCHED)
- 7

SINGLE HUNG WINDOWS TO REMAIN AS IS
- 8

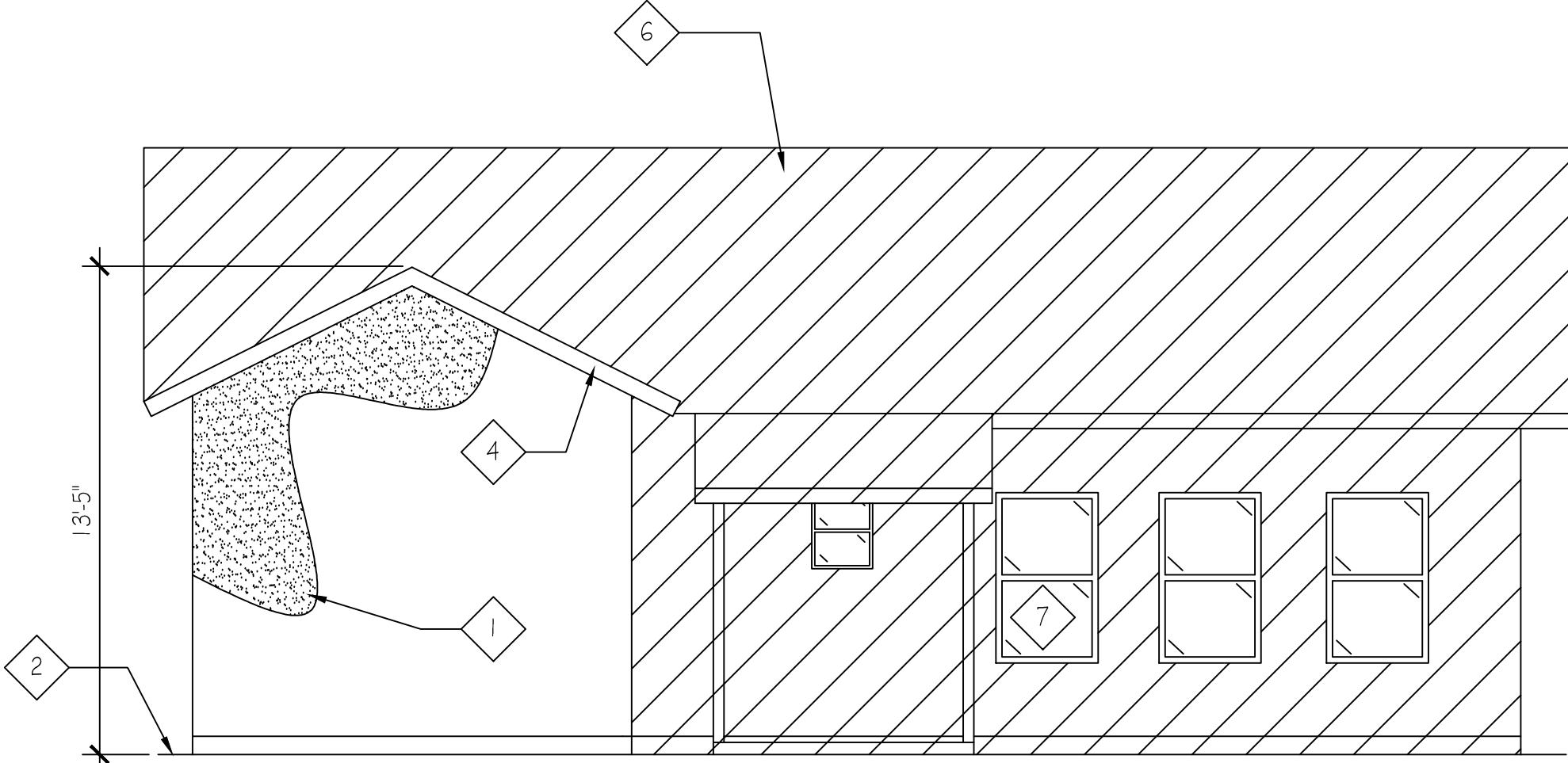
EXTERIOR DOORS TO REMAIN AS IS
- 9
- 10
- 11
- 12
- 13



A EAST ELEVATION
1/4"=1'0"



B WEST ELEVATION
1/4"=1'0"



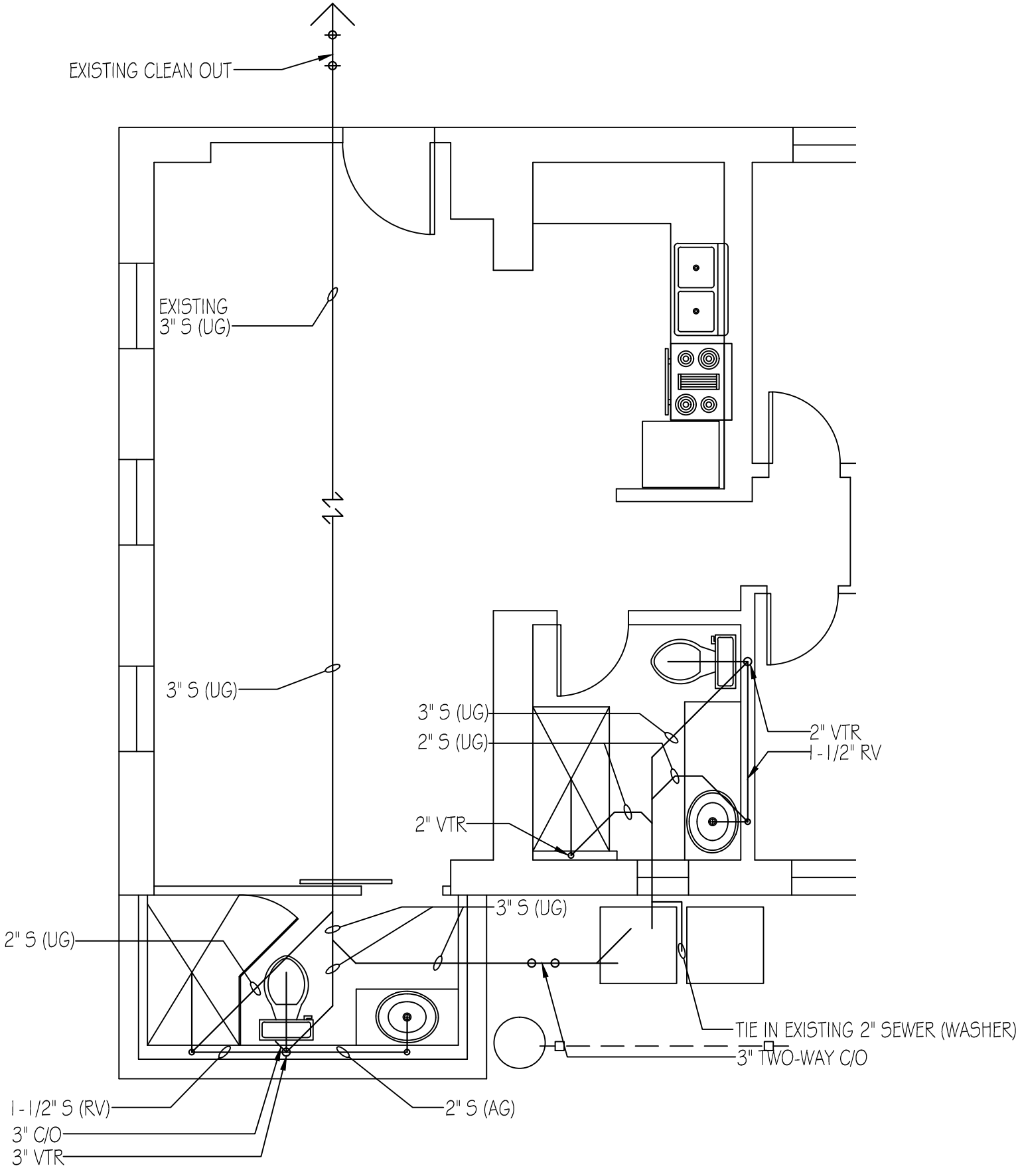
C NORTH ELEVATION
1/4"=1'0"

NON-ATTIC VENTILATION
(PER IRC 2018 R806.5)
INSTALL MINIMUM R-5 RIGID BOARD
INSULATION PER TABLE R806.5

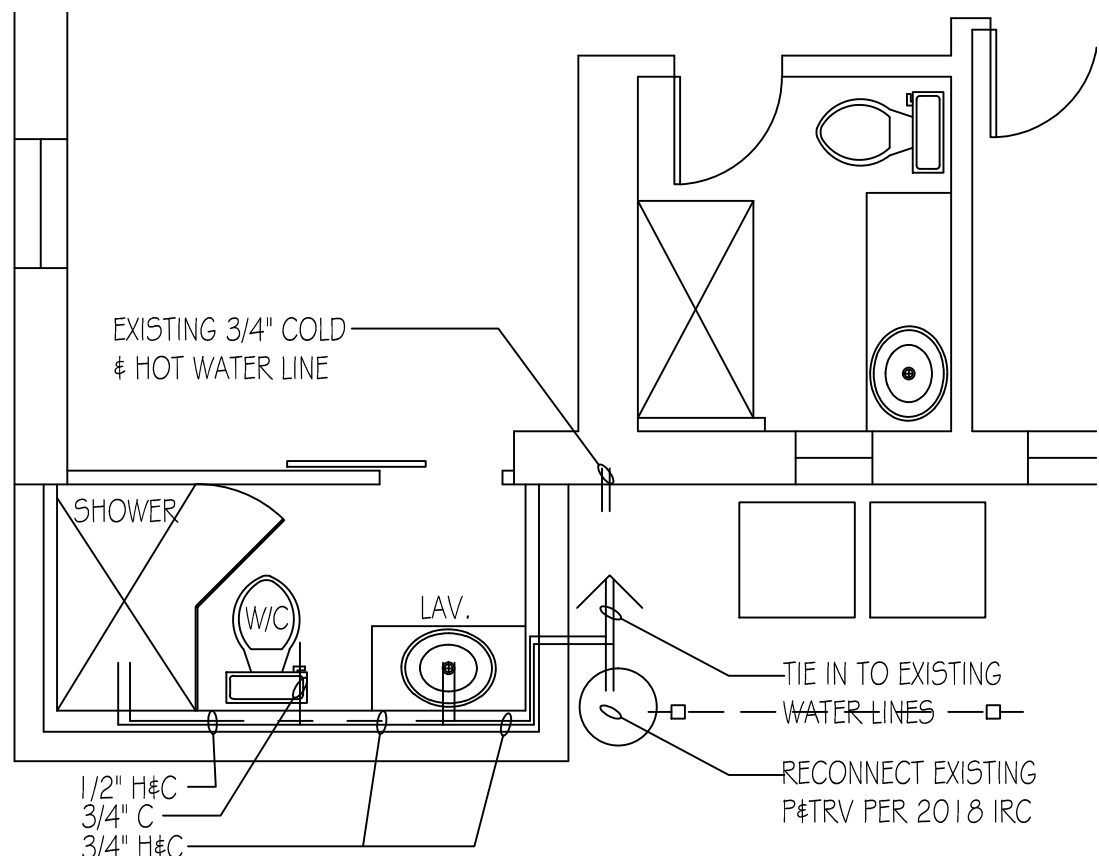
PLUMBING NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AS ADOPTED BY THE CITY OF TUCSON.
2. DOMESTIC HOT AND COLD WATER PIPING AS PER 2018 IRC.
- ABOVE GRADE: PROVIDE TYPE "M" COPPER WITH 50/50 SOLDERED WROUGHT COPPER FITTINGS.
- UNDER SLAB: PROVIDE TYPE "L" HARD DRAWN COPPER WITH 95/5 SOLDERED WROUGHT COPPER FITTINGS. SHEATH IN PLASTIC PER IRC.
3. ABS (SCHEDULE 40) WASTE LINES MAY BE USED PROVIDED INSTALLATION AND SEALS CONFORM TO LOCAL STANDARDS. TERMINATE WITH A TWO-WAY GRADE CLEAN-OUT (GCO) AND SWITCH TO APPROVED PIPE PRIOR TO LEAVING THE SITE AS REQUIRED FOR SEWER CONNECTION.
4. PROVIDE 1/4" PER FOOT SLOPE FOR WASTE LINES.
5. PROVIDE CLEANOUTS PER IRC 707.0 AND LOCAL CODES.
6. PLUMBING CONTRACTOR (PC) SHALL SECURE ANY AND ALL PERMITS AND INSPECTIONS INCIDENTAL TO THE WORK, AND SHALL ADHERE TO ANY AND ALL CODES HAVING JURISDICTION.
7. PC SHALL DO ALL EXCAVATION AND BACK FILL INCIDENTAL TO THE WORK.
8. PC SHALL BE RESPONSIBLE FOR FINAL WASTE, GAS, AND WATER HOOKUPS ON ALL EQUIPMENT REQUIRING SUCH.
9. THERE SHALL BE NO COPPER FITTINGS BELOW GRADE.
10. PC SHALL GUARANTEE THE MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
11. FIXTURES TO COMPLY WITH IRC CHAPTER 15 AND LOCAL AMENDMENTS. WATER CLOSETS 1.6 GALLONS PER FLUSH MAX. SINKS AND SHOWER HEAD TO BE 3 GALLONS PER MINUTE MAX.
12. PROVIDE AIR HAMMERS AT THE ENDS OF PLUMBING RUNS.
13. PROVIDE ANTI-SIPHON DEVICE AT EACH HOSE BIBB PER IRC 2018 SEC 2902.4.3, AND VACUUM BREAKERS PER IRC 2018 SEC 2902.4.3.
14. PROVIDE 3/4" DIAMETER CU P&TRV LINE FROM THE WATER HEATER TO EXTERNAL WALL PER IRC 2018 SEC P2804.
15. SHOWER AND TUB COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE TYPE PER 2018 IRC 410.7.
16. PROVIDE DISHWASHER CONNECTION PER IRC 804.4, AND WASHER CONNECTION PER IRC 804.1.
17. PROVIDE SHUTOFF VALVE AND UNION AT THE DCW CONNECTION TO THE WH. PROVIDE UNION AT THE DHW CONNECTION.
18. GAS PIPING - USE BLACK IRON, SHEATH PER IRC.
19. GAS WH INSTALLATION PER IRC 507, 508, AND 509.
20. PROVIDE BRASS SHUTOFF VALVES AND PRESSURE REGULATORS AS REQUIRED AT EACH GAS APPLIANCE CONNECTION.
21. DRAINAGE PIPING FOR MAIN SEWER TO HAVE MINIMUM SLOPE OF 1/4" PER FOOT AS PER 2018 IRC SEC. 708.0.
22. THERMAL EXPANSION TANK TO BE INSTALLED AS PER 2018 IRC
23. BATHTUB & SHOWER ENCLOSURES BE FINISHED PER P2710 W/ CERAMIC TILE, OR A LISTED ENCLOSURE, TO A HEIGHT OF 72" ABOVE THE DRAIN PER R307.2
24. WATER HEATERS WITH VERTICAL PIPE RISERS SHALL HAVE A HEAT TRAP ON BOTH THE INLET OF THE WATER HEATER, UNLESS THE WATER HEATER HAS AN INTEGRAL HEAT TRAP OR IS PART OF A CIRCULATING SYSTEM
25. HOT WATER SUPPLY LINES SHALL HAVE R-3 INSULATION PER IRC 2018 SEC N1103.5.3.
26. PLUMBING VENTS SHALL BE A MINIMUM OF 10 FEET FROM OR 3 FEET ABOVE FROM ALL AIR INTAKES AS PER IRC 2018 SECTION P3103.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	EXPLANATION
----	WASTE	WASTE
----	DCW	DOMESTIC COLD WATER
----	DHW	DOMESTIC HOT WATER
----	GAS—GAS—	GAS
—○—	P&TRV DRAIN	PRESSURE & TEMP RELIEF VALVE DRAIN
○	RV, OV, CV.	RE. OVER OR CIRCUIT VENT
○	VTR	VENT THROUGH ROOF
—H—	HB	HOSE BIBB
—X—	S O V	SHUT OFF VALVE
—Φ—	G C O	GRADE CLEAN OUT
—△—	P&TRV	PRESSURE & TEMP RELIEF VALVE



PLUMBING WASTE PLAN
1/4" = 1'-0"



PLUMBING WATER PLAN
1/4" = 1'-0"

DATE
DECEMBER 2020

DESERT WOLF DRAFTING
DRAFTOTIERO2@GMAIL.COM

ELEVATIONS
PLUMING

ORCUTT FAMILY TRUST
420 E. SPEEDWAY
TUCSON AZ 85705

SCALE: 1/4"=1'

FRAMING PLAN NOTES

1. ALL LUMBER TO BE GRADED AND STAMPED.
2. MATERIALS:
STUDS D.F.#2 OR BETTER
BEAMS D.F.#1 OR BETTER
JOISTS D.F.#2 OR BETTER
SHEATHING 1 / 2" CDX05B (CCX @ OVERHANGS), PLYWOOD STRUCTURAL GRADE I , DFPA GRADE STAMPED.
3. ALL FRAMING MEMBERS SHALL NOT EXCEED 19% MOISTURE CONTENT
4. ALL SOLE PLATES TO BE PRESSURE TREATED.
5. USE PRE-MANUFACTURED TRUSSES FOR THE FRAMING MEMBERS AS SHOWN. THE GENERAL CONTRACTOR SHALL SUBMIT TRUSS DRAWINGS, ANCHORING AND CONNECTIONS, BLOCKING AND STRESS DIAGRAMs, STAMPED AND SIGNED BY AN ARIZONA REGISTERED PROFESSIONAL ENGINEER FOR APPROVAL BY THE PLAN CHECK/BUILDING INSPECTION AGENCY PRIOR TO ERECTION.
6. PROVIDE NON-COMBUSTIBLE FLASHING THROUGHOUT.
7. ALL FRAMING, NAILING AND CONNECTIONS PER IRC 2018.
8. NAILING SHALL BE IN ACCORDANCE WITH NAILING SCHEDULE TABLE 25P, INTERNATIONAL RESIDENTIAL BUILDING CODE.
9. PLYWOOD 8d @ 6" O.C. AT EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS. USE BOX WIRE NAILS AND PLYWOOD CLIPS SPACED AT 24" O.C.
10. ALL SHEATHING SHALL BE PROVIDED WITH BEARING AT CENTERLINE OF RAFTERS AND FULL BEARING AT THE EDGES.
11. METAL FRAMING DEVICES SHALL BE MANUFACTURED BY SIMPSON COMPANY OR EQUAL.
12. PROVIDE TECO CLIPS OR SIMPSON H3'S OR EQUAL CONNECTORS AT EVERY OTHER STUD AT THE BOTTOM PLATE AND THE SAME AT THE TOP PLATE, EXTERIOR STUD WALLS ONLY.
13. BOLT HOLES SHALL BE 1/16" OVERSIZE. THREADS SHALL NOT BEAR ON WOOD OR STEEL. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO ENCLOSING. ALL BOLTS SHALL BE ASTM A307.
14. ALL EXPOSED LUMBER SHALL BE ROUGH SAWN.
15. PROVIDE BRACED WALL PER IRC 2018.
PROVIDE ANCHORAGE TO FOUNDATION PER IRC 2018. PROVIDE ATTACHMENT TO SILL AND TOP PLATES PER IRC 2018.

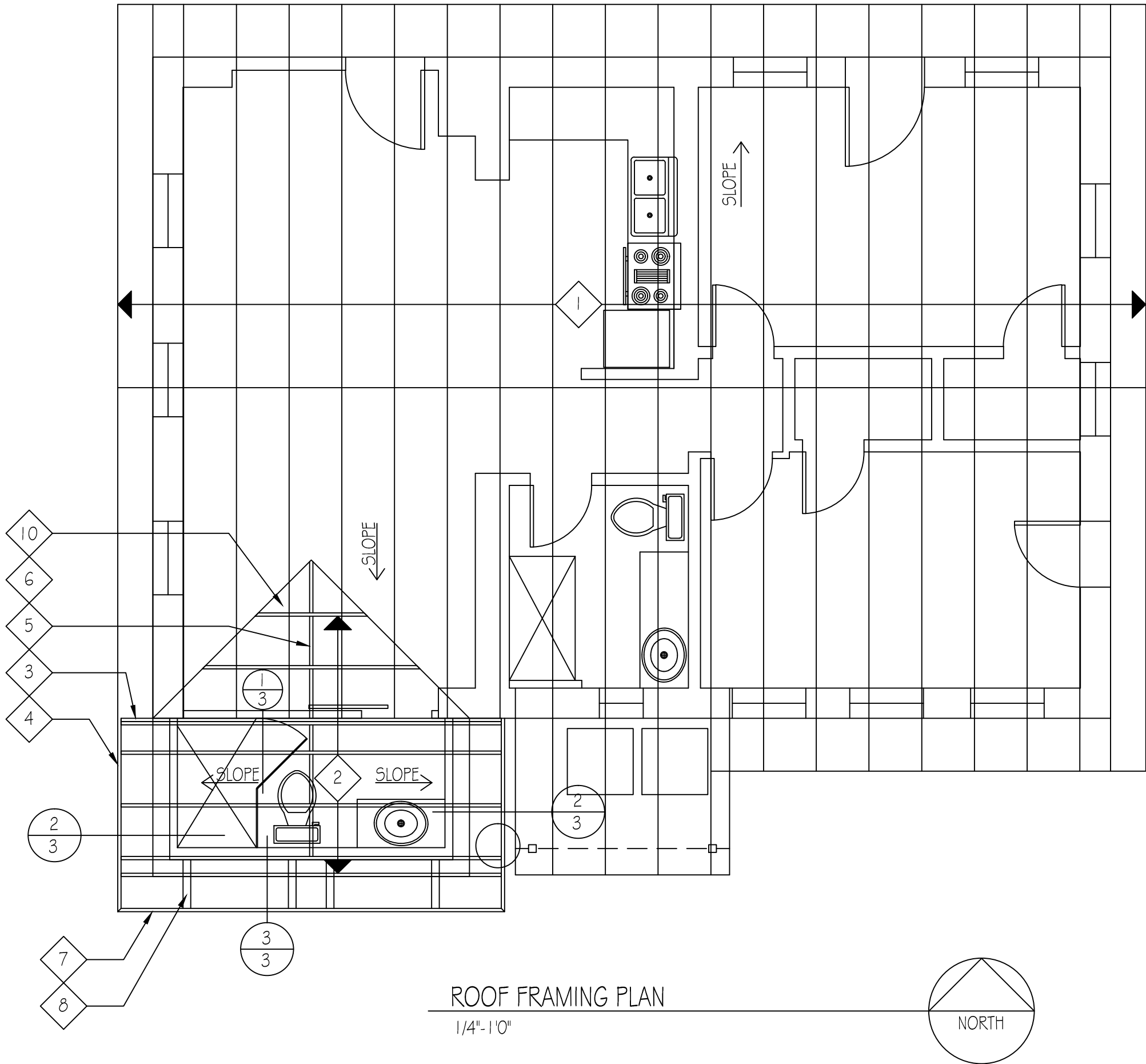
DEAD LOAD = 15 LBS
LIVE LOAD = 20 LBS

FRAMING KEY NOTES

- 1 EXISTING ROOF
- 2 PRE-FAB TRUSSES @24 O.C.
- 3 GIRDER TRUSSES
- 4 2X FASCIA
- 5 2X RIDGE
- 6 COORDINATE WITH TRUSS MANUFACTURE TO MATCH EXISTING SLOPE
- 7 2X FLY RAFTER
- 8 2X OUT RIGGERS @ 48" O.C. TURNED FLAT
- 9
- 10 OVER FRAME PRE-FAB TRUSSES @24" O.C.

MARK	STEEL LINTELS
LT-1	3'-0" TO 4'-0" ----- 2- 3-1/2" X 3-1/2" X 1/4"
LT-2	4'-0" TO 7'-0" ----- 2- 4" X 3-1/2" X 5/16"
LT-3	7'-0" TO 9'-0" ----- 2- 5" X 3-1/2" X 5/16"
LT-4	9'-0" TO 10'-0" ----- 2- 5" X 3-1/2" X 3/8"
LT-5	10'-0" TO 12'-0" ----- 2- 6" X 4" X 3/8"
LT-6	W- 8 X 15 W- 1/4" WELED PLATE GARAGE OPENING

WOOD HEADER & POST SCHEDULE	
MARK	SIZE
WH-1	2'-0" TO 3'-0" = 2-2 X 4 ON EDGE
WH-2	3'-0" TO 5'-0" = (2) 2 X 6 ON EDGE
WH-3	5'-0" TO 7'-0" = (2) 2 X 8 ON EDGE
WH-4	6 X 6 SOLID WOOD BEAM
WH-5	6 X 12 SOLID WOOD BEAM



ELECTRICAL PLAN NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AS ADOPTED BY THE CITY OF TUCSON.
2. ELECTRICAL PANELS SHALL BE SQUARE "D", TYPE "QO".
3. MINIMUM WIRE SIZE SHALL BE #12 (CU). ALL BRANCH CIRCUIT WIRE SHALL BE "TW".
4. VERIFY EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT, THERMOSTAT, AND CONTROL WIRING, SIZE OF EQUIPMENT (HP, AMPS, VOLTAGE, ETC.) PRIOR TO ROUGH-IN AND COMPLY AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL DO ALL WIRING NECESSARY AND CONNECT ALL SPECIAL CONTROLS FURNISHED BY THE MECHANICAL CONTRACTOR.
6. FUSES FOR MOTORS SHALL BE TYPE "FRN". FUSES FOR PANEL FEEDERS SHALL BE TYPE "KTN".
7. ALL DISCONNECT SWITCHES FOR MOTORS SHALL BE HP RATED. MOTORS SHALL BE PROTECTED WITH PROPER SIZED FUSETRONS.
8. IF ELECTRICAL CONDUCTORS USED ARE ALUMINUM, TERMINATE AND SPlice AS RECOMMENDED BY THE MANUFACTURER AND AS FOLLOWS:
- CLEAN CONDUCTORS WITH A WIRE BRUSH AND APPLY "NO-OXID GRADE A" SPECIAL SEALING PASTE THOROUGHLY AS SOON AS CONDUCTORS ARE CLEANED.
9. THE FOLLOWING ITEMS MAY BE USED WHERE PERMITTED BY CODE:
- NON-METALLIC TYPE CABLE
NON-METALLIC DEVICE BOXES
ALUMINUM CONDUCTORS
10. SMOKE DETECTORS SHALL BE LOCATED PER IRC 2018.
11. VERIFY WITH TELEPHONE AND CABLE COMPANY AS TO CONDUIT AND TRENCHING REQUIREMENTS AND COMPLY AS REQUIRED FOR THE ENTIRE PROJECT.
12. SWITCHES AND RECEPTACLES SHALL BE LEVITON, SLATER OR EQUAL, FLUSH WITH IVORY PLATES OF PROPER GANG AS REQUIRED.
13. ALL FIXTURES TO BE UL APPROVED AND SELECTED BY THE OWNER, FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
14. ELECTRICAL INSTALLATION SHALL COMPLY WITH ALL ELECTRICAL CODES IN EFFECT IN THE AREA AND THE IRC 2018.
15. ELECTRIC SERVICE TO BE UNDERGROUND FROM THE PEDESTAL TO THE RISER PER IRC 2018 INSTALLATION REQUIREMENTS. GROUND PER IRC 2018. BOND PER IRC 2018.
16. ELECTRICAL LOCATIONS SHOWN ARE APPROXIMATE, UNO. ALL LIGHT FIXTURES IN CLOSETS TO BE A MIN 18" FROM SHELVES.
17. CEILING FANS PER IRC 2018.
18. DISCONNECTS AT HVAC EQUIPMENT SHALL NOT BE SUPPORTED BY OR ATTACHED TO HVAC EQUIPMENT.

USE AL/CU TYPE LUGS, CONNECTORS, ETC. WITH FACTORY FILLED CONNECTOR PASTE.

11. VERIFY WITH TELEPHONE AND CABLE COMPANY AS TO CONDUIT AND TRENCHING REQUIREMENTS AND COMPLY AS REQUIRED FOR THE ENTIRE PROJECT.

12. SWITCHES AND RECEPTACLES SHALL BE LEVITON, SLATER OR EQUAL, FLUSH WITH IVORY PLATES OF PROPER GANG AS REQUIRED.

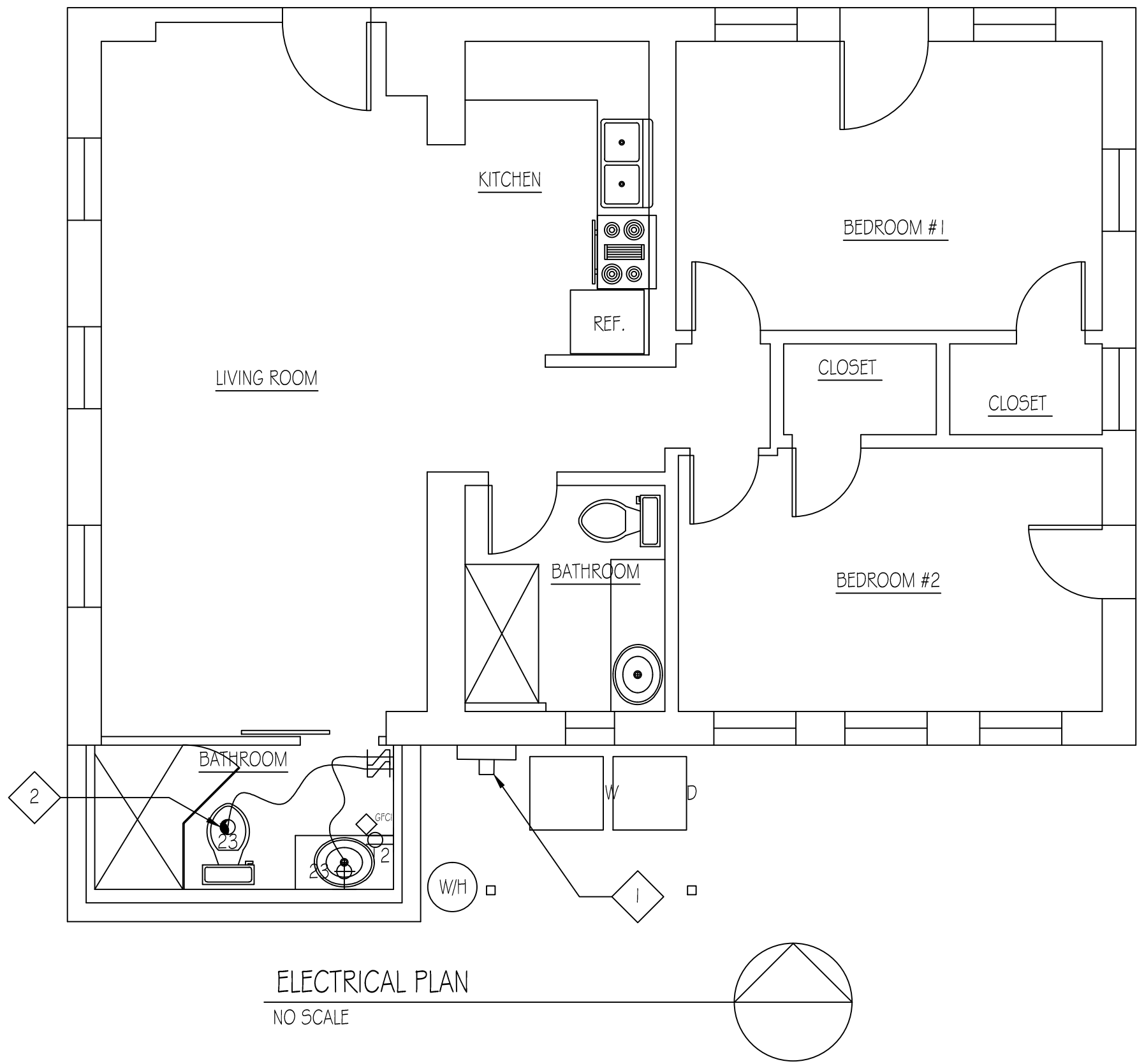
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18. DISCONNECTS AT HVAC EQUIPMENT SHALL NOT BE SUPPORTED BY OR ATTACHED TO HVAC EQUIPMENT.



19. PROVIDE SMOKE DETECTORS PER IRC 2018. LOCATE A MINIMUM 36" FROM MECHANICAL SUPPLY OR RETURN GRILLE. LOCATE AS INDICATED UNO.
20. ALL RECEPTACLES SERVING KITCHEN COUNTERTOP TO BE GFCI PER IRC 2018.
21. LOCATE EXTERIOR OUTLET WITHIN 25 FT. OF ROOF TOP UNIT AS PER IRC 2018.
22. ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE AEC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. E3902.12
23. TAMPER RESISTANT RECEPTACLE ARE REQUIRED IN AREAS SPECIFIED IN SECTION E4002.14, EXCEPTIONS ARE MORE THE 5.5 FEET ABOVE THE FLOOR, RECEPTACLES ARE PART OF A LUMINAIRE OR APPLIANCE AND A SINGLE RECEPTACLE FOR A SINGLE APPLIANCE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED AND, UNDER CONDITIONS OF NORMAL USE THE APPLIANCES ARE NOT EASILY MOVED FROM ONE SPACE TO ANOTHER.
24. A MINIMUM OF 75 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS OR A MINIMUM OF 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH EFFICACY LAMPS.
25. FACEPLATE GROUNDING PER SECTION E4001.11.1 AS PER IRC 2018

PANEL SCHEDULE									
120/240V		SINGLE PHASE 3 W				(200) AMP MAIN			
CIRCUIT DESCRIPTION	CKT	BKR	WIRE	WIRE	BKR	CKT	CIRCUIT DESCRIPTION		
RANGE	1	50	#6 CU	#10 CU	30	2	WATER HEATER		
RANGE	3	2			2	4			
SMOKE DETECTORS	5	20	#12 CU	#12 CU	20	6	LAUNDRY		
MASTER BD RM # BED #2	7	15	#14 CU	#12 CU	20	8	KITCHEN APPLIANCE		
SPARE	9	20	#12 CU	#12 CU	20	10	KITCHEN APPLIANCE		
SPARE	11	20	#12 CU	#12 CU	20	12	BATHROOM RECEPT. GFCI		
LIVING ROOM	13	15	#14 CU	#12 CU	20	14	OUTSIDE RECEPT. (GFCI)		
SPARE	15	30	#10 CU	#12 CU	20	16	A/C UNIT MINI SPLIT		
SPARE	17	2			2	18	A/C UNIT MINI SPLIT		
OUT SIDE LIGHT	19	15	#14 CU	#12 CU	20	20	DISP./DISHWASHER		
GENERAL LIGHTING	21	15	#14 CU	#12 CU	20	22	REFRIGERATOR		
GENERAL LIGHTING	23	15	#14 CU	#12 CU	20	24	MICROWAVE		
GENERAL LIGHTING	25	15	#14 CU	#6 CU	40	26	A/C UNIT		
SPARE	27	15	#14 CU	CU	2	28			
MASTER BEDROOM	29	15	#14 CU	#12 CU	20	30	DINING ROOM		

OUTDOOR LIGHTING CODE CALCULATIONS			
1. PROJECT LOCATION IN AREA = E3			
2. TOTAL SITE AREA = .16 ACRES			
3. TOTAL ALLOWABLE LUMENS (SHIELDED) .16 x 55,000 = 8,800			
TOTAL ALLOWABLE LUMENS (UNSHIELDED) .16 x 12,000 = 1,920			
FIXTURE TYPE	QUANTITY	LUMENS EA.	TOTAL LUMENS
F1	0	900	UNSHIELDED 0
F2-COMPLIES WITH SEC. 5.1B - FULL CUT OFF LIGHT FIXTURE			1000

LOAD CALCULATIONS W/ADDITION

983 SQ. FT X 3	=	2949 WATTS
2 SMALL APPLIANCE	=	3000 WATTS
DISP./DISHWASHER	=	1200 WATTS
WASHER	=	1500 WATTS
REFRIG	=	1500 WATTS
TOTAL	=	10,149 WATTS

1ST 10,000 @ 100%	10,000
149 X 40% =	60
A/C @ 100%=	8,000
	18,060 / 240 = 75 AMPS

ELECTRICAL KEY NOTES

- 1 MAIN ELECTRICAL PANEL
- 2 EXHAUST FAN PER IRC 2018 TABLE M1505.4.4.
- 3
- 4
- 5 EXTERIOR LIGHTS TO BE FULL CUT-OFF STYLE PER CITY OF TUCSON.
- 6 (E) EXISTING RECEPTACLE

ORCUTT FAMILY TRUST
420 E. SPEEDWAY
TUCSON AZ

SCALE: 1/4"= 1'

85705

DESERT WOLF DRAFTING
DRAFTOTERO2@GMAIL.COM

DATE
DECEMBER 2020